

Av-DEC SpraySeal® Sprayable Sealant

Av-DEC SpraySeal® for aircraft interiors is a two-component polyurea material that is designed to create a watertight, flexible sealant to protect aircraft surfaces against corrosion. The low viscosity allows the material to be applied via spray or brush application. Av-DEC SpraySeal's transparent nature allows for inspection of the protected surface through the material without removing the sealant from the surface. The adhesive strength and cohesive strength for this material are carefully balanced to create a durable coating that can be cleanly removed for service or access to coated parts. This product is commonly used to protect large contiguous areas as well as irregular or complex structural surfaces, particularly corrosion-vulnerable areas such as under lavatories and galleys.



FEATURES	BENEFITS
Transparent to allow inspection without removal	Corrosion protection, improved reliability, repair/scrap cost avoidance, structural repair and cost avoidance
Fast curing	Reduction in: return-to-service time, troubleshooting time, labor cost, hangar time
Ease of installation and removal	No solvents required, no scraping required, no paint adhesion issues
Leaves no residue upon removal	Non-hazardous; no silicone oil residue before, during, or after installation or removal
Strong adhesion to most substrates	Positive moisture barrier, easy floorboard removal, provides noise and vibration dampening



TYPICAL PHYSICAL PROPERTIES

Part Number Series	SF2470
Reaction ratio (by weight)	100 : 92.9
Reaction ratio (by volume)	100 : 100
Color, resin	Amber
Color, hardener	Amber
Color, properly mixed	Amber
Specific Gravity, resin, at 77°F (25°C)	1.08 to 1.10
Specific Gravity, hardener, at 77°F (25°C)	1.01 to 1.03
Specific Gravity, mixed, at 77°F (25°C)	1.05 to 1.07
Viscosity, resin, Cps. at 77°F (25°C)	750 to 1,300
Viscosity, hardener, Cps. at 77°F (25°C)	180 to 275
Gel time, 10 g Mass at 77°F (25°C)	8 to 14 minutes
Hardness, Shore "A" at 77°F (25°C)	40 to 60
Storage temperature	55.4°F (13°C)
Shelf life, sealed container	Six months (in original packaging and used within 24 hours after opening)
Service temperature guide	85°F to 185°F (-65°C to 85°C)
Storage / Application temperature	>55.4°F (13°C)
Peel Strength (bare 6061)	2.4 piw
Tensile Strength (ASTM D412)	145 psi
Salt Fog 3000hrs (ASTM B117)	No corrosion present
12 Second Vertical Burn per Title 14 CFR, Part 25-Subpart D, § 25.853(a) compartment interiors, Appendix F, Part I (A) (1)(ii)	Passed at all thicknesses tested: 0.060", 0.080", 0.235"
SDS	SDS information can be requested at info@avdec.com

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